Claims

1. A device for controlling an over-rolling of a vehicle having a vehicle body, wheels, a steering system, and a brake system, the device comprising:

means for providing a first parameter quantity indicative of a rolling amount of the vehicle body,

means for providing a second parameter quantity indicative of change rate of the rolling amount of the vehicle body, and

means for controlling the brake system such that the brake system is actuated to accomplish a target deceleration of the vehicle when the first parameter quantity exceeds a threshold value predetermined therefor, the target acceleration being increased from a predetermined minimum value to a predetermined maximum value according to an increase of the second parameter quantity.

2. A device according to claim 1, wherein the first parameter quantity is estimated to be substantially proportional to lateral acceleration of the vehicle body.

3. A device according to claim 1, wherein the first parameter quantity is estimated to be substantially proportional to a weighted sum of lateral acceleration and roll rate of the vehicle body.

4. A device according to claim 1, wherein the second parameter quantity is estimated to be substantially proportional to change rate of steering angle effected by the steering system of the vehicle.

5. A device according to claim 1, wherein the second parameter quantity is estimated to be substantially proportional to change rate of lateral

acceleration of the vehicle body.

6.   A device according to claim 1, wherein the mean for providing the second parameter quantity provide a first phase second parameter quantity at a first time responsiveness and a second phase second parameter quantity at a second time responsiveness slower than the first time responsiveness, and the means for controlling the brake system control the brake system such that the target deceleration is increased from the predetermined minimum value to the predetermined maximum value according to an increase of a larger one of the first and second phase second parameter quantities at each moment.